ABSTRACT

Precast planar construction blocks are cast on-site or received and assembled in free-standing modules. A variety of shapes of spaced apart paired blocks form free-standing modules which apply building load over a large footprint. Biaxial sleeve connectors and threaded rods facilitate connection between blocks. The free-standing modules are connected with other structural elements to form a complete primary structure. The primary structure can then be enclosed using manufactured blocks to establish perimeter walls and roofs.